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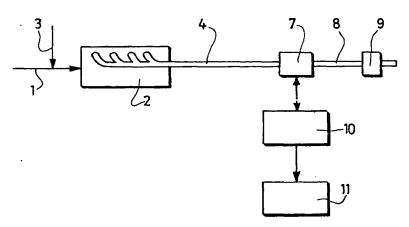
(71) Déposants (pour tous les États désignés sauf US): TO-TALFINAELF FRANCE [FR/FR]; Tour Total, 24, cours Michelet, F-92800 Puteaux (FR). DELTA SERVICES IN-DUSTRIELS S.P.R.L. [BE/BE]; 54, résidence des Mottes, B-7503 Froyennes (BE). (72) Inventeurs; et

- (75) Inventeurs/Déposants (pour US seulement): DELVI-GNE, Thierry [BE/BE]; 54, résidence des Mottes, B-7503 Froyennes (BE). OBIOLS, Jérôme [FR/FR]; 203, rue Duguesclin, F-69003 Lyon (FR).
- (74) Mandataire: JOLLY, Jean-Pierre; Cabinet Jolly, 54, rue de Clichy, F-75009 Paris (FR).
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(54) Title: METHOD AND DEVICE FOR THE CONTINUOUS DETERMINATION OF DAMAGE TO SYSTEMS USED FOR THE POST-TREATMENT OF HEAT ENGINE EXHAUST GASES

(54) Titre: PROCEDE ET DISPOSITIF POUR LA DETERMINATION EN CONTINU DE LA DEGRADATION DES SYSTEMES DE POST-TRAITEMENT DES GAZ D'ECHAPPEMENT DE MOTEUR THERMIQUE



(57) Abstract: The invention relates to a method for the continuous determination of the damage to at least one system (7) used for the post-treatment of exhaust gases from an internal combustion engine (2), caused by the lubricating oil, the fuel and/or at least one lubricating oil additive and/or fuel additive used. The inventive method consists in: (i) using a determined quantity of at least one radiotracer in order to modify the lubricating oil, the fuel and/or the additive for which the impact on the post-treatment system (7) is to be measured; (ii) measuring the quantity of radiotracer originating from the exhaust gases which has accumulated in the post-treatment system (7), said measurement being taken using a detector (10) which is sensitive to radiation emitted by the radiotracer that has accumulated in the post-treatment system (7); and (iii) transmitting the measurements taken by the detector (10) to a programmed computer (11) which can convert said measurements into the degree of damage caused to the post-treatment system by the lubricating oil, the fuel and/or the additive(s). The invention also relates to a device which is used to implement the inventive method.

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